

TOP VIEW
Single or Double Chip Stack

PROFILE VIEW
Single Chip Stack



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General Information

Series	KPS SMD Auto X7R
Style	Stacked Chip
Description	SMD, MLCC, Stacked, Single Chip, Class II, Automotive Grade
Features	Automotive Grade
RoHS	Yes
Termination	Tin
Qualifications	AEC-Q200
Typical Component Weight	170 mg
Shelf Life	78 Weeks
MSL	1

Dimensions

L	5mm +/-0.5mm
W	3.5mm +/-0.5mm
T	2.65mm +/-0.35mm
B	1.1mm +/-0.3mm

Packaging Specifications

Packaging	T&R, 180mm, Plastic Tape
Packaging Quantity	500

Specifications

Capacitance	1uF
Measurement Condition	1 kHz 1.0Vrms
Tolerance	10%
Voltage DC	50 VDC
Dielectric Withstanding Voltage	125 VDC
Temperature Range	-55/+125°C
Temp. Coefficient	X7R
Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC)	15%, 1kHz 1.0Vrms
Dissipation Factor	2.5% 1 kHz 1.0Vrms
Aging Rate	3% Loss/Decade Hour: Referee Time is 1000 Hours
Insulation Resistance	1 GOhms

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